

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany	REPORT NO.	<input type="text"/> 25X1
SUBJECT	Experimental Radio Direction Finder Development in East Germany	DATE DISTR.	30 June 1953
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(FOR KEY SEE REVERSE)

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1. The Development Bureau for Radio (Entwicklungsbuero fuer Empfaenger) is currently working on a goniometric radio direction finder. In comparison with the usual rotating loop DF antenna, the goniometric apparatus has greater sensitivity; it also has the advantage that the fixed frame, which is not rotated, can be attached to an electrically favorable position, on shipboard, for example. The bearings are considerably more accurate with this apparatus. It is also considerably more expensive.
2. A special receiver is to be built for the apparatus, which will not have the ordinary goniometer frame, but will be a much smaller piece of equipment, about 1.5 meters in diameter. This is now in development. The goniometric direction finding "Telegon" developed about two years ago by Telefunken is serving as a model. The direction finder will also have approximately the same electrical rating and sensitivity as this apparatus.
3. The goniometric direction finder will be equipped with American tubes of the "6" series. The autumn of 1953 has been set as the terminal date for completion of the laboratory model.
4. Another considerable development project is a so-called "Kulsion" protective device (Kulsionsschutzgeraet).¹ This is practically a radar apparatus to which another name has been given in order to get around the patent rights. The development is not far enough advanced at the present time for more details to be given.

25X1 ¹ Comment. Probably the Kollisionsschutzgeraet (anti-collision equipment) (ZAFT K2-35) being developed at Funkwerk Koepenick is meant.

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